CLAIMS

- 1. An expression cassette consisting of:
- a bacterial promoter, hereinafter called pzn, containing a binding site for the Lactococcus lactis ZitR protein, which site comprises the following sequence:

AAAAATAANGTNNNNNNNTTGACATTATTTTT (SEQ ID NO:1),

- 10 in which TTGACA represents the -35 box of said promoter, and N represents A, C, G or T;
 - a sequence encoding a polypeptide exhibiting at least 80% identity with the Lactococcus lactis ZitR protein, placed under the transcriptional control of said promoter;
 - at least one restriction site allowing the insertion of a nucleotide sequence of interest under the transcriptional control of said promoter.
- 2. The expression cassette as claimed 20 claim 1, characterized in that the p_{Zn} promoter comprises the following sequence:

AAAAATAANGTNNNNNNTTGACATTATTTTTNNNNNNNNNTATAAT (SEQ ID NO:2),

in which TATAAT represents the -10 box of said 25 promoter.

- 3. The expression cassette as claimed claim 2, characterized in that the p_{zn} promoter comprises a sequence chosen from:
- the sequence:

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- 30 (SEQ ID NO:4);
 - the sequence:

(SEQ ID NO:5).

- 35 4. An expression cassette consisting of:
 - a bacterial promoter p_{Zn} , as defined claims 1 to 3;

- at least one restriction site allowing the insertion of a nucleotide sequence of interest under the transcriptional control of said promoter.
- 5. An expression cassette resulting from the insertion of a nucleotide sequence encoding an extracellular targeting peptide, and of at least one restriction site allowing the cloning of a nucleotide sequence of interest as a translational fusion with said targeting peptide, under the transcriptional control of the p_{2n} promoter, into an expression cassette as claimed in any one of claims 1 to 4.
 - 6. The expression cassette as claimed in claim 5, characterized in that said extracellular targeting peptide is a signal peptide of sequence: MKKINLALLTLATLMGVSSTAVVFA (SEQ ID NO: 6).

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- 7. An expression cassette resulting from the insertion of a nucleotide sequence of interest under the transcriptional control of the p_{Zn} promoter, into an expression cassette as claimed in any one of claims 1 to 6, with the exclusion of the expression cassettes comprising all or part of the sequence encoding the L. lactis ZitS protein, fused to a reporter gene.
- 8. A recombinant vector comprising an insert consisting of an expression cassette as claimed in any one of claims 1 to 7.
- 9. A gram-positive bacterium transformed with at least one expression cassette as claimed in any one of claims 1 to 7.
- 10. The bacterium as claimed in claim 9, 30 characterized in that it is a lactic acid bacterium.
 - 11. The use of an expression cassette as claimed in any one of claims 1 to 7, or of a recombinant vector as claimed in claim 8, for producing a protein of interest in a gram-positive bacterium.